PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

AVERY, et al.

Serial No.:

10/523,964

Filed:

August 7, 2003

For:

Novel Antigiardial Agents and Methods of Use Thereof

Group Art Unit:

Not yet assigned

Attorney's Docket No.

11636N/021304

Customer No.

32885

INFORMATION DISCLOSURE STATEMENT (SUBMISSION BEFORE MAILING DATE OF A FIRST ACTION ON THE MERITS)

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 June 1, 2005

Dear Sir:

Pursuant to 37 C.F.R. §1.97 and §1.98, applicants hereby submit an Information Disclosure Statement for consideration by the Examiner.

List of Patents, Publications or Other Information

The Patents, publications, or other information submitted for consideration by the Office are listed on Form PTO-1449(s), attached hereto.

II. Copies

The Patents and other publications listed on the attached Form PTO-1449 are in the English language or an English language abstract is provided.

In view of the waiver of the requirement under 37 C.F.R. § 1.98(a)(2)(iii) copies of the cited U.S. Patents and published applications are not attached.

Additionally, non-patent publications listed on Form PTO-1449, but not enclosed, may have been listed on the International Search Report, a copy of which was submitted with filing under 35 U.S.C. § 371.

III. Concise Explanation of Relevance

The attached documents, publications, and/or other information attached hereto are in the English language and do not require a statement of relevancy.

IV. Fees

The IDS is being filed under 37 C.F.R. §1.97(b); within three months of the filing date of a national application or before mailing date of a first action on the merits, whichever event occurs last. No fee or statement is required

V. Payment of Fees

No fee is required.

SERIAL NO. 10/523,964

If the Examiner has any questions concerning this IDS, he/she is requested to contact the undersigned. If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule (with a petition if necessary).

Respectfully submitted,

Richard S. Myers, Jr.

Registration Number 42,022 STITES & HARBISON PLLC

424 Church Street, Suite 1800

Financial Center

Nashville, TN 37219-2376

(615) 244-5200

Customer No. 32885

Attorney for Applicant

Page 1 of 10

Comparable to		U.S. Department of		Atty. Docket No. Serial No.			
Form PTO-1449		Patent & Trade	mark Office	11636N	J/021304	40/50	22.004
IN	FORMATION DISCLO (Use several sheets			Custom	er No. 32885		23,964
	(Ose several sileets	ii necessary)		Applica	nt	<u> </u>	
				AVERY,	et al.		
				Filing Da	ate	Group)
				Au	gust 7, 2003	Not ye	et assigned
Examiner Initial	Document No.	Date	Nam	е	Class	Subclass	Filing Date If Appropriate
	6,326,366	December 4, 2001	Potter, et al.				
ļ	6,391,309	May 21, 2002	Empie, et al.		ļ		
ļ	6,541,613	April 1, 2003	Hendler, et al.				
	6,592,910	July 15, 2003	Banz, et al.				
<u> </u>	6,593,310 6,599,536	July 15, 2003 July 29, 2003	Cullis-Hill Kelly, et al.		 		
	0,599,530	July 29, 2003	Kelly, et al.	·			
	•				 		
					 		
					† †		
		FOREIGN P	ATENT DOCUMEN	NTS			·
	Document No.	Date		ame	Class	Subclass	Translation Yes No
	EP0031885	November 13, 1980					
	EP0267155	October 29, 1987	Albert, et al.				
	WO91/15483	October 17, 1991	Kallay, et al.				
	WO93/23069	November 25, 1993	Kelly				
	•		IEOUS DOCUMEN				
	Farmakol. Prir. V	richomonas activity of eschestv; 1978; pp. 10)3-107.				
	Adam, R. D. Bio	logy of Giardia lambl	ia. Clinical Mic	robiology	Reviews 200	1, 14, 447-4	75.
	Aghoramurthy, 6 918.	et al.; Chemical Abstr	ract; Columbus,	OH, US;	J. Indian Che	m. Soc; Vol	38; 1961; pp 914-
		emical Abstract; Colu					
	JOURNAL OF E	; Giardiasis in HIV: a PIDEMIOLOGY 199	97, 13, 485-487.				
	Arjmandi, B. H. hormone deficier	The role of phytoency. Journal of the An	strogens in the nerican College	preventio of Nutriti	on and treatm on 2001, 20, 3	ent of osteo 98S-402S.	pporosis in ovarian
	Barat, L. M.; Bl	oland, P. B. Drug res ORTH AMERICA 19	sistance among	malaria a			CTIOUS DISEASE
Examiner:				onsidered	· · · · · · · · · · · · · · · · · · ·		
	citation considered, wh						n if not in
contorr	nance and not considere	a. monuae copy or this	TOTAL WILLI HEXL CO		on to applicant		

Page 2 of 10

	 							age z oi	
Comparable			U.S. Department of		Atty. Do	ocket No.	Seria	No.	
Form PTO-1	449		Patent & Trade	mark Office	11636N	I/021304			
							10/5	23,964	
					Custom	er No. 32885	ı		
		RMATION DISCLO				0. 110. 02000			
	((Use several sheets	it necessary)		Acation				
					Applica	nt			
					AVERY,	et al.			
						-			
			•		Filing Da		Grou	ס	
					Au	gust 7, 2003	Not y	et assigi	ned
Examiner								Fil	ng Date
Initial	ŀ	Document No.	Date	Nam	e	Class	Subclass		propriate
								-	
					,			 	
						 		 	
						ļ		 	
						 		-	
						 			
								ļ	
								<u></u>	
					, ,				
									*
	- 							 	
	l		FOREIGN PA	ATENT DOCUMEN	VTS	<u> </u>		L	
	1		T OTTER OF T	T	110			Tre	nslation
		Document No.	Date	Nar	ne	Class	Subclass		
	_					0.000		Yes	No
		WO94/23716	October 27, 1994	Gorbach, et al				ļ	
1		WO95/03293	February 2, 1995	Nogradi, et al.					
		WO96/39832	December 19, 1996	Kung			-		
	1	WO99/48496	September 30, 1999	Kelly, et al.				<u> </u>	
		1	_	IEOUS DOCUMEN	JTS.			<u> </u>	
	- 1	D-1				41		ъ., Т :	d C1-
			ynthesis of new meso	genic compoun	ias naving	me isoliavor	ie core gro	ıp; Lıqu	ia Crystais;
-		1999; Vol. 26(1)				Farriag1	d Dhe	-l 10	00 7 212
		1 '	nytoestrogens and men	nopause. Enviro	omientai .	coxicology an	iu Pilamnac	ology 19	77, 1, 215-
		216.	Manual 1 4 - 4	. :	. 4l			f ale	. di
		1	Natural and synthetic		ı ıne pre	venuon and 1	ueaument o	i curoni	c diseases.
-			International 1997, 61		1.	1	1	£ .1 ·	d
		1	ckes, M.; Cedillo-Ri	vera, K. Antiai	moebic ai	id antigiardia	i activity of	i plant	Havonoids.
PLANTA MEDICA 1999, 65, 78-80.						•			
Calzada, et al; Geranins A and B, New Antiprotozoal A-Type Proanthocyanidins from Geranium					ım nıveum.				
Journal of Natural Products 1999, 62, 705-709. Chakravarti, et al.; Chemical Abstracts; Columbus, OH, US; Sci. Cult; Vol. 28; 1962; pp 242-243.									
		Chakravarti, et a	i.; Chemical Abstracts			. Cult; Vol. 28	s; 1962; pp	242-243	
Examiner:				Date C	onsidered				
*Examiner:	nitial if cit	ation considered wh	ether or not citation is in	conformance wi	th MPED 6	19: draw line +h	rough citatio	n if not in	<u> </u>
			ed. Include copy of this			•	-	11	'
			a			to apprount	·		

Page 3 of 10

Comparable to		U.S. Department of		Atty. Docket No. Serial No.			
Form PTO-1449		Patent & Trade	emark Office	116361	N/021304		
			l				23,964
IN	FORMATION DISCLO	SURE CITATION	l	Custom	er No. 32885	•	
	(Use several sheets	; if necessary)	l				
			l	Applicant			
			l	AVERY,	, et al.		
			l				
			l		Filing Date Group		
				Au	gust 7, 2003	Not y	et assigned
Examiner		5 .	No.	_	Class	Cubalana	Filing Date
Initial	Document No.	Date	Nam	<u>e</u>	Class	Subclass	If Appropriate
ļ -			+	-			
 			+				-
				· · · · · · · · · · · · · · · · · · ·	 		
			<u> </u>				
					1		
					 		-
		-	-		+		
		 	+		<u> </u>		-
		FOREIGN	PATENT DOCUMEN	NTS			J
	De a mant No	Dotte	Nom	-	Class	C. balana	Translation
	Document No.	Date	Name	e 	Class	Subclass	Yes No
	WO99/49862	October 7, 1999	Khan, et al.				
	WO00/49009	August 24, 2000	Heaton, et al.				
	WO00/62765	October 26, 2000	Barlaam, et al.				
	WO00/62774	October 26, 2000	Banz, et al.				
	Clara dal E		NEOUS DOCUMEN		1fatas an	1 disselfator	i- the uning of the
	laying hen; CA	scretion of radioactive J. Biochem; 1975; Vo	ol 53(2); pp. 223-2	230.			
	Chudgar, et al.;	Studies in isoflavones	s. I. Bromination,	iodinatio	n, and nitratio	on of 7-hydro	oxyisoflavone. J.
		lia) 1967, 39, 203-208			= 1		
		Romeo, A. 2-Halores					
		Antigiardial isoflavon hemical Abstract; Col					
		citonin, bone-active is					
	9, 81-90.	moning cone active i	John Ches and		moudonito.	/5(00p0100-	
		ll biology of the prim	itive eukaryote C	Giardia lar	nblia. Annual	Review of I	Microbiology 1996,
		.; Promotion of hea	Ith by soy isofl	avones: e	fficacy, bene	fit and safe	ety concerns. Drug
		Drug Interactions 20	000, 17, 261-289.		· ·		
Examiner:			Date C	onsidered			
		hether or not citation is ed. Include copy of this					n if not in

. .

Page 4 of 10

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) Applicant AVERY, et al. Filing Date August 7, 2003 Group Not yet assigned Filing Date If Appropriate Examiner Initial Document No. Date Name Class Subclass Filing Date If Appropriate FOREIGN PATENT DOCUMENTS FOREIGN PATENT DOCUMENTS Document No. Date Name Class Subclass Translation Yes No WO01/17986 March 15, 2001 Heaton, et al. WO03/055860 July 10, 2003 Drysdale, et al. MISCELLANEOUS DOCUMENTS Harborne, et al., Chemical Abstracts, Columbus, OH; J. Org. Chem; Vol. 28, 1963; pp 881-882. Jain, et al.; Flavonoids from Eschscholar ealiforniach, Phytochemistry, 1996; Vol 41(2), pp. 661-662. Josh, et al.; Studies in the synthesis of furochromones. Part VIII Synthesis of furoisoflavones; In J. Chem See B. Org. Chem Incl. Med Chem.; 1998; Vol 278(9), pp. 806-810. Kalra, et al.; Synthesis of 2-hydroxyisoflavones; Indian J. Chem. Vol. 5(7), 1967; pp 287-290. Keister, D. B. Axenic culture of Giardia lamblia in TYI-S-33 medium supplemented with bite TRANSACTIONS OF THE ROYAL SOCIETY OF TROPICAL MEDICINE AND HYGIENE 1983, 77, 487-488. Khan, et al.; Antigiardial Activity of Isoflavones from Dalbergia frutescens Bark. Journal of Natural Products 2000, 63(10), 1414-1416. Exemine: Date Considered	Comparable to		U.S. Department o		,	cket No.	Serial	No.	
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) Applicant	Form PTO-1449		Patent & Trade	emark Office	11636N	/021304	10/52	2 064	
(Use several sheets if necessary) Applicant AVERY, et al. Filing Date August 7, 2003 Not yet assigned Filing Date Initial Document No. Date Name Class Subclass Filing Date If Appropriate Foreign Patent DOCUMENTS Translation Ves Involved Subclass Translation Translation Ves Involved Subclass No Ves Involved Subclass Translation Tr			OLIDE OITATION		Custome	er No. 32885	1	23,904	
Examiner Initial Document No. Date Name Class Subclass Filing Date August 7, 2003 Repropriate Filing Date									
Examiner Initial Document No. Date Name Class Subclass Filing Date In Appropriate Initial Document No. Date Name Class Subclass If Appropriate If In Appropriate In Appropriate In	,-		•		Applicar	nt			
Examiner Initial Document No. Date Name Class Subclass Filing Date In Appropriate Initial Document No. Date Name Class Subclass If Appropriate If In Appropriate In Appropriate In					AVERY,	et al.			
Examiner Initial Document No. Date Name Class Subclass Filing Date Filing Date If Appropriate If Appro									
Examiner Initial Document No. Date Name Class Subclass Filing Date If Appropriate Initial Document No. Date Name Class Subclass Translation FOREIGN PATENT DOCUMENTS FOREIGN PATENT DOCUMENTS Document No. Date Name Class Subclass Yes No. WO01/17986 March 15, 2001 Heaton, et al. WO03/055860 July 10, 2003 Drysdale, et al. MISCELLANEOUS DOCUMENTS Harborne, et al., Chemical Abstracts, Columbus, OH; J. Org. Chem; Vol. 28, 1963; pp 881-882. Jasin, et al.; Flavonoids from Eschscholzia californica; Phytochemistry, 1996; Vol 41(2); pp. 661-662. Joshi, et al.; Studies in the synthesis of furorisomones. Part VIII Synthesis of furoisoflavones, IN J. Chem. See B. Org Chem Incl Med Chem.; 1988, Vol. 27B(9); pp. 806-810. Kalra, et al.; Synthesis of 2-bydroxyisoflavones; Indian J. Chem. Vol. 5(7), 1967; pp 287-290. Keister, D. B. Axenic culture of Giardia lamblia in TYI-S-33 medium supplemented with bile TRANSACTIONS OF THE ROYAL SOCIETY OF TROPICAL MEDICINE AND HYGIENE 1983, 77, 487-488. Khan, et al.; Antigiardial Activity of Isoflavones from Dalbergia frutescens Bark. Journal of Natural Products 2000, 63, 1414-1416. Examiner: Date Considered							i -		
Translation Document No. Date Name Class Subclass If Appropriate FOREIGN PATENT DOCUMENTS FOREIGN PATENT DOCUMENTS Document No. Date Name Class Subclass WO01/17986 March 15, 2001 Heaton, et al. WO03/055860 July 10, 2003 Drysdale, et al. MISCELLANEOUS DOCUMENTS Harborne, et al.; Chemical Abstracts, Columbus, OH; J. Org. Chem; Vol. 28, 1963; pp 881-882. Jain, et al.; Flavonoids from Esschsolozia californica; Phytochemistry; 1996; Vol 41(2); pp. 661-662. Joshi, et al.; Studies in the synthesis of furochromones. Part VIII Synthesis of furoisoflavones; IN J. Chem. See B: Org Chem Incl Med Chem; 1988; Vol 278(9); pp. 806-810. Kalra, et al.; Synthesis of 2-hydroxyisoflavones; Indian J. Chem; Vol. 5(7); 1967; pp 287-290. Keister, D. B. Axenic culture of Giardia lambia in TY1-S-33 medium supplemented with bile. TRANSACTIONS OF THE ROYAL SOCIETY OF TROPICAL MEDICINE AND HYGIENE 1983, 77, 487-488. Khan, et al.; Antigiardial Activity of Isoflavones from Dalbergia frutescens Bark. Journal of Natural Products 2000, 63, 1414-1416. Examiner: Date Considered	Evaminer			1		3031 7, 2000	Not y		
FOREIGN PATENT DOCUMENTS Document No. Date		Document No.	Date	Nam	e	Class	Subclass		
Document No. Date Name Class Subclass Translation Yes No WO01/17986 March 15, 2001 Heaton, et al. WO03/055860 July 10, 2003 Drysdale, et al. MISCELLANEOUS DOCUMENTS Harborne, et al.; Chemical Abstracts, Columbus, OH; J. Org. Chem; Vol. 28; 1963; pp 881-882. Jain, et al.; Flavonoids from Eschscholzia californica; Phytochemistry; 1996; Vol 41(2); pp. 661-662. Joshi, et al.; Studies in the synthesis of furochromones. Part VIII Synthesis of furoisoflavones; IN J. Chem. Sec B: Org Chem Incl Med Chem.; 1988; Vol 27B(9); pp. 806-810. Kalra, et al; Synthesis of 2-hydroxyisoflavones; Indian J. Chem; Vol. 5(7); 1967; pp 287-290. Keister, D. B. Axenic culture of Giardia lamblia in TYI-S-33 medium supplemented with bile. TRANSACTIONS OF THE ROYAL SOCIETY OF TROPICAL MEDICINE AND HYGIENE 1983, 77, 487-488. Khan, et al.; Antigiardial Activity of Isoflavones from Dalbergia frutescens Bark. Journal of Natural Products 2000, 63, 1414-1416. Khan, et al.; Antigiardial Activity of Isoflavones from Dalbergia frutescens Bark. Journal of Natural Products (2000), 63(10), 1414-1416. Examiner: Date Considered									
Document No. Date Name Class Subclass Translation Yes No WO01/17986 March 15, 2001 Heaton, et al. WO03/055860 July 10, 2003 Drysdale, et al. MISCELLANEOUS DOCUMENTS Harborne, et al.; Chemical Abstracts, Columbus, OH; J. Org. Chem; Vol. 28; 1963; pp 881-882. Jain, et al.; Flavonoids from Eschscholzia californica; Phytochemistry; 1996; Vol 41(2); pp. 661-662. Joshi, et al.; Studies in the synthesis of furochromones. Part VIII Synthesis of furoisoflavones; IN J. Chem. Sec B: Org Chem Incl Med Chem.; 1988; Vol 27B(9); pp. 806-810. Kalra, et al; Synthesis of 2-hydroxyisoflavones; Indian J. Chem; Vol. 5(7); 1967; pp 287-290. Keister, D. B. Axenic culture of Giardia lamblia in TYI-S-33 medium supplemented with bile. TRANSACTIONS OF THE ROYAL SOCIETY OF TROPICAL MEDICINE AND HYGIENE 1983, 77, 487-488. Khan, et al.; Antigiardial Activity of Isoflavones from Dalbergia frutescens Bark. Journal of Natural Products 2000, 63, 1414-1416. Khan, et al.; Antigiardial Activity of Isoflavones from Dalbergia frutescens Bark. Journal of Natural Products (2000), 63(10), 1414-1416. Examiner: Date Considered									-
Document No. Date Name Class Subclass Translation Yes No WO01/17986 March 15, 2001 Heaton, et al. WO03/055860 July 10, 2003 Drysdale, et al. MISCELLANEOUS DOCUMENTS Harborne, et al.; Chemical Abstracts, Columbus, OH; J. Org. Chem; Vol. 28; 1963; pp 881-882. Jain, et al.; Flavonoids from Eschscholzia californica; Phytochemistry; 1996; Vol 41(2); pp. 661-662. Joshi, et al.; Studies in the synthesis of furochromones. Part VIII Synthesis of furoisoflavones; IN J. Chem. Sec B: Org Chem Incl Med Chem.; 1988; Vol 27B(9); pp. 806-810. Kalra, et al; Synthesis of 2-hydroxyisoflavones; Indian J. Chem; Vol. 5(7); 1967; pp 287-290. Keister, D. B. Axenic culture of Giardia lamblia in TYI-S-33 medium supplemented with bile. TRANSACTIONS OF THE ROYAL SOCIETY OF TROPICAL MEDICINE AND HYGIENE 1983, 77, 487-488. Khan, et al.; Antigiardial Activity of Isoflavones from Dalbergia frutescens Bark. Journal of Natural Products 2000, 63, 1414-1416. Khan, et al.; Antigiardial Activity of Isoflavones from Dalbergia frutescens Bark. Journal of Natural Products (2000), 63(10), 1414-1416. Examiner: Date Considered				<u> </u>					
Document No. Date Name Class Subclass Translation WO01/17986 March 15, 2001 Heaton, et al. WO03/055860 July 10, 2003 Drysdale, et al. MISCELLANEOUS DOCUMENTS Harborne, et al.; Chemical Abstracts, Columbus, OH; J. Org. Chem; Vol. 28, 1963; pp 881-882. Jain, et al.; Flavonoids from Eschscholzia californica; Phytochemistry; 1996; Vol 41(2); pp. 661-662. Joshi, et al.; Studies in the synthesis of furochromones. Part VIII Synthesis of furoisoflavones; IN J. Chem. Sec B: Org Chem Incl Med Chem.; 1988; Vol 27B(9); pp. 806-810. Kalra, et al; Synthesis of 2-hydroxyisoflavones; Indian J. Chem; Vol. 5(7); 1967; pp 287-290. Keister, D. B. Axenic culture of Giardia lamblia in TYI-S-33 medium supplemented with bile. TRANSACTIONS OF THE ROYAL SOCIETY OF TROPICAL MEDICINE AND HYGIENE 1983, 77, 487-488. Khan, et al.; Antigiardial Activity of Isoflavones from Dalbergia frutescens Bark. Journal of Natural Products 2000, 63, 1414-1416. Khan, et al.; Antigiardial Activity of Isoflavones from Dalbergia frutescens Bark. Journal of Natural Products (2000), 63(10), 1414-1416.									
Document No. Date Name Class Subclass Translation Yes No WO01/17986 March 15, 2001 Heaton, et al. WO03/055860 July 10, 2003 Drysdale, et al. MISCELLANEOUS DOCUMENTS Harborne, et al.; Chemical Abstracts, Columbus, OH; J. Org. Chem; Vol. 28; 1963; pp 881-882. Jain, et al.; Flavonoids from Eschscholzia californica; Phytochemistry; 1996; Vol 41(2); pp. 661-662. Joshi, et al.; Studies in the synthesis of furochromones. Part VIII Synthesis of furoisoflavones; IN J. Chem. Sec B: Org Chem Incl Med Chem.; 1988; Vol 27B(9); pp. 806-810. Kalra, et al; Synthesis of 2-hydroxyisoflavones; Indian J. Chem; Vol. 5(7); 1967; pp 287-290. Keister, D. B. Axenic culture of Giardia lamblia in TYI-S-33 medium supplemented with bile. TRANSACTIONS OF THE ROYAL SOCIETY OF TROPICAL MEDICINE AND HYGIENE 1983, 77, 487-488. Khan, et al.; Antigiardial Activity of Isoflavones from Dalbergia frutescens Bark. Journal of Natural Products 2000, 63, 1414-1416. Khan, et al.; Antigiardial Activity of Isoflavones from Dalbergia frutescens Bark. Journal of Natural Products (2000), 63(10), 1414-1416. Examiner: Date Considered									
Document No. Date Name Class Subclass Translation WO01/17986 March 15, 2001 Heaton, et al. WO03/055860 July 10, 2003 Drysdale, et al. MISCELLANEOUS DOCUMENTS Harborne, et al.; Chemical Abstracts, Columbus, OH; J. Org. Chem; Vol. 28, 1963; pp 881-882. Jain, et al.; Flavonoids from Eschscholzia californica; Phytochemistry; 1996; Vol 41(2); pp. 661-662. Joshi, et al.; Studies in the synthesis of furochromones. Part VIII Synthesis of furoisoflavones; IN J. Chem. Sec B: Org Chem Incl Med Chem.; 1988; Vol 27B(9); pp. 806-810. Kalra, et al; Synthesis of 2-hydroxyisoflavones; Indian J. Chem; Vol. 5(7); 1967; pp 287-290. Keister, D. B. Axenic culture of Giardia lamblia in TYI-S-33 medium supplemented with bile. TRANSACTIONS OF THE ROYAL SOCIETY OF TROPICAL MEDICINE AND HYGIENE 1983, 77, 487-488. Khan, et al.; Antigiardial Activity of Isoflavones from Dalbergia frutescens Bark. Journal of Natural Products 2000, 63, 1414-1416. Khan, et al.; Antigiardial Activity of Isoflavones from Dalbergia frutescens Bark. Journal of Natural Products (2000), 63(10), 1414-1416.								<u> </u>	
Document No. Date Name Class Subclass Translation Yes No WO01/17986 March 15, 2001 Heaton, et al. WO03/055860 July 10, 2003 Drysdale, et al. MISCELLANEOUS DOCUMENTS Harborne, et al.; Chemical Abstracts, Columbus, OH; J. Org. Chem; Vol. 28; 1963; pp 881-882. Jain, et al.; Flavonoids from Eschscholzia californica; Phytochemistry; 1996; Vol 41(2); pp. 661-662. Joshi, et al.; Studies in the synthesis of furochromones. Part VIII Synthesis of furoisoflavones; IN J. Chem. Sec B: Org Chem Incl Med Chem.; 1988; Vol 27B(9); pp. 806-810. Kalra, et al; Synthesis of 2-hydroxyisoflavones; Indian J. Chem; Vol. 5(7); 1967; pp 287-290. Keister, D. B. Axenic culture of Giardia lamblia in TYI-S-33 medium supplemented with bile. TRANSACTIONS OF THE ROYAL SOCIETY OF TROPICAL MEDICINE AND HYGIENE 1983, 77, 487-488. Khan, et al.; Antigiardial Activity of Isoflavones from Dalbergia frutescens Bark. Journal of Natural Products 2000, 63, 1414-1416. Khan, et al.; Antigiardial Activity of Isoflavones from Dalbergia frutescens Bark. Journal of Natural Products (2000), 63(10), 1414-1416. Examiner: Date Considered									
Document No. Date Name Class Subclass Translation Yes No WO01/17986 March 15, 2001 Heaton, et al. WO03/055860 July 10, 2003 Drysdale, et al. MISCELLANEOUS DOCUMENTS Harborne, et al.; Chemical Abstracts, Columbus, OH; J. Org. Chem; Vol. 28; 1963; pp 881-882. Jain, et al.; Flavonoids from Eschscholzia californica; Phytochemistry; 1996; Vol 41(2); pp. 661-662. Joshi, et al.; Studies in the synthesis of furochromones. Part VIII Synthesis of furoisoflavones; IN J. Chem. Sec B: Org Chem Incl Med Chem.; 1988; Vol 27B(9); pp. 806-810. Kalra, et al; Synthesis of 2-hydroxyisoflavones; Indian J. Chem; Vol. 5(7); 1967; pp 287-290. Keister, D. B. Axenic culture of Giardia lamblia in TYI-S-33 medium supplemented with bile. TRANSACTIONS OF THE ROYAL SOCIETY OF TROPICAL MEDICINE AND HYGIENE 1983, 77, 487-488. Khan, et al.; Antigiardial Activity of Isoflavones from Dalbergia frutescens Bark. Journal of Natural Products 2000, 63, 1414-1416. Khan, et al.; Antigiardial Activity of Isoflavones from Dalbergia frutescens Bark. Journal of Natural Products (2000), 63(10), 1414-1416. Examiner: Date Considered			··· ··· ··						
Document No. Date Name Class Subclass Translation Yes No WO01/17986 March 15, 2001 Heaton, et al. WO03/055860 July 10, 2003 Drysdale, et al. MISCELLANEOUS DOCUMENTS Harborne, et al.; Chemical Abstracts, Columbus, OH; J. Org. Chem; Vol. 28; 1963; pp 881-882. Jain, et al.; Flavonoids from Eschscholzia californica; Phytochemistry; 1996; Vol 41(2); pp. 661-662. Joshi, et al.; Studies in the synthesis of furochromones. Part VIII Synthesis of furoisoflavones; IN J. Chem. Sec B: Org Chem Incl Med Chem.; 1988; Vol 27B(9); pp. 806-810. Kalra, et al; Synthesis of 2-hydroxyisoflavones; Indian J. Chem; Vol. 5(7); 1967; pp 287-290. Keister, D. B. Axenic culture of Giardia lamblia in TYI-S-33 medium supplemented with bile. TRANSACTIONS OF THE ROYAL SOCIETY OF TROPICAL MEDICINE AND HYGIENE 1983, 77, 487-488. Khan, et al.; Antigiardial Activity of Isoflavones from Dalbergia frutescens Bark. Journal of Natural Products 2000, 63, 1414-1416. Khan, et al.; Antigiardial Activity of Isoflavones from Dalbergia frutescens Bark. Journal of Natural Products (2000), 63(10), 1414-1416. Examiner: Date Considered									
Document No. Date Name Class Subclass Translation Yes No WO01/17986 March 15, 2001 Heaton, et al. WO03/055860 July 10, 2003 Drysdale, et al. MISCELLANEOUS DOCUMENTS Harborne, et al.; Chemical Abstracts, Columbus, OH; J. Org. Chem; Vol. 28; 1963; pp 881-882. Jain, et al.; Flavonoids from Eschscholzia californica; Phytochemistry; 1996; Vol 41(2); pp. 661-662. Joshi, et al.; Studies in the synthesis of furochromones. Part VIII Synthesis of furoisoflavones; IN J. Chem. Sec B: Org Chem Incl Med Chem.; 1988; Vol 27B(9); pp. 806-810. Kalra, et al; Synthesis of 2-hydroxyisoflavones; Indian J. Chem; Vol. 5(7); 1967; pp 287-290. Keister, D. B. Axenic culture of Giardia lamblia in TYI-S-33 medium supplemented with bile. TRANSACTIONS OF THE ROYAL SOCIETY OF TROPICAL MEDICINE AND HYGIENE 1983, 77, 487-488. Khan, et al.; Antigiardial Activity of Isoflavones from Dalbergia frutescens Bark. Journal of Natural Products 2000, 63, 1414-1416. Khan, et al.; Antigiardial Activity of Isoflavones from Dalbergia frutescens Bark. Journal of Natural Products (2000), 63(10), 1414-1416. Examiner: Date Considered				<u> </u>					
Document No. Date Name Class Subclass Translation Yes No WO01/17986 March 15, 2001 Heaton, et al. WO03/055860 July 10, 2003 Drysdale, et al. MISCELLANEOUS DOCUMENTS Harborne, et al.; Chemical Abstracts, Columbus, OH; J. Org. Chem; Vol. 28; 1963; pp 881-882. Jain, et al.; Flavonoids from Eschscholzia californica; Phytochemistry; 1996; Vol 41(2); pp. 661-662. Joshi, et al.; Studies in the synthesis of furochromones. Part VIII Synthesis of furoisoflavones; IN J. Chem. Sec B: Org Chem Incl Med Chem.; 1988; Vol 27B(9); pp. 806-810. Kalra, et al; Synthesis of 2-hydroxyisoflavones; Indian J. Chem; Vol. 5(7); 1967; pp 287-290. Keister, D. B. Axenic culture of Giardia lamblia in TYI-S-33 medium supplemented with bile. TRANSACTIONS OF THE ROYAL SOCIETY OF TROPICAL MEDICINE AND HYGIENE 1983, 77, 487-488. Khan, et al.; Antigiardial Activity of Isoflavones from Dalbergia frutescens Bark. Journal of Natural Products 2000, 63, 1414-1416. Khan, et al.; Antigiardial Activity of Isoflavones from Dalbergia frutescens Bark. Journal of Natural Products (2000), 63(10), 1414-1416. Examiner: Date Considered									
Document No. Date Name Class Subclass Yes No. WO01/17986 March 15, 2001 Heaton, et al. WO03/055860 July 10, 2003 Drysdale, et al. MISCELLANEOUS DOCUMENTS Harborne, et al.; Chemical Abstracts, Columbus, OH; J. Org. Chem; Vol. 28, 1963; pp 881-882. Jain, et al.; Flavonoids from Eschscholzia californica; Phytochemistry; 1996; Vol 41(2); pp. 661-662. Joshi, et al.; Studies in the synthesis of furochromones. Part VIII Synthesis of furoisoflavones; IN J. Chem. Sec B: Org Chem Incl Med Chem.; 1988; Vol 27B(9); pp. 806-810. Kalra, et al; Synthesis of 2-hydroxyisoflavones; Indian J. Chem; Vol. 5(7); 1967; pp 287-290. Keister, D. B. Axenic culture of Giardia lamblia in TYI-S-33 medium supplemented with bile. TRANSACTIONS OF THE ROYAL SOCIETY OF TROPICAL MEDICINE AND HYGIENE 1983, 77, 487-488. Khan, et al.; Antigiardial Activity of Isoflavones from Dalbergia frutescens Bark. Journal of Natural Products 2000, 63, 1414-1416. Khan, et al.; Antigiardial Activity of Isoflavones from Dalbergia frutescens Bark. Journal of Natural Products (2000), 63(10), 1414-1416. Examiner: Date Considered			FOREIGN F	ATENT DOCUMEN	NTS				
WO03/055860 July 10, 2003 Drysdale, et al.		Document No.	Date	Nam	e	Class	Subclass		
MISCELLANEOUS DOCUMENTS Harborne, et al.; Chemical Abstracts, Columbus, OH; J. Org. Chem; Vol. 28; 1963; pp 881-882. Jain, et al.; Flavonoids from Eschscholzia californica; Phytochemistry; 1996; Vol 41(2); pp. 661-662. Joshi, et al.; Studies in the synthesis of furochromones. Part VIII Synthesis of furoisoflavones; IN J. Chem. Sec B: Org Chem Incl Med Chem.; 1988; Vol 27B(9); pp. 806-810. Kalra, et al; Synthesis of 2-hydroxyisoflavones; Indian J. Chem; Vol. 5(7); 1967; pp 287-290. Keister, D. B. Axenic culture of Giardia lamblia in TYI-S-33 medium supplemented with bile. TRANSACTIONS OF THE ROYAL SOCIETY OF TROPICAL MEDICINE AND HYGIENE 1983, 77, 487-488. Khan, et al.; Antigiardial Activity of Isoflavones from Dalbergia frutescens Bark. Journal of Natural Products 2000, 63, 1414-1416. Khan, et al.; Antigiardial Activity of Isoflavones from Dalbergia frutescens Bark. Journal of Natural Products (2000), 63(10), 1414-1416. Examiner: Date Considered		WO01/17986	March 15, 2001	Heaton, et al.					
Harborne, et al.; Chemical Abstracts, Columbus, OH; J. Org. Chem; Vol. 28; 1963; pp 881-882. Jain, et al.; Flavonoids from Eschscholzia californica; Phytochemistry; 1996; Vol 41(2); pp. 661-662. Joshi, et al.; Studies in the synthesis of furochromones. Part VIII Synthesis of furoisoflavones; IN J. Chem. Sec B: Org Chem Incl Med Chem.; 1988; Vol 27B(9); pp. 806-810. Kalra, et al; Synthesis of 2-hydroxyisoflavones; Indian J. Chem; Vol. 5(7); 1967; pp 287-290. Keister, D. B. Axenic culture of Giardia lamblia in TYI-S-33 medium supplemented with bile. TRANSACTIONS OF THE ROYAL SOCIETY OF TROPICAL MEDICINE AND HYGIENE 1983, 77, 487-488. Khan, et al.; Antigiardial Activity of Isoflavones from Dalbergia frutescens Bark. Journal of Natural Products 2000, 63, 1414-1416. Khan, et al.; Antigiardial Activity of Isoflavones from Dalbergia frutescens Bark. Journal of Natural Products (2000), 63(10), 1414-1416. Examiner: Date Considered		WO03/055860	July 10, 2003	Drysdale, et al.					, in the second
Harborne, et al.; Chemical Abstracts, Columbus, OH; J. Org. Chem; Vol. 28; 1963; pp 881-882. Jain, et al.; Flavonoids from Eschscholzia californica; Phytochemistry; 1996; Vol 41(2); pp. 661-662. Joshi, et al.; Studies in the synthesis of furochromones. Part VIII Synthesis of furoisoflavones; IN J. Chem. Sec B: Org Chem Incl Med Chem.; 1988; Vol 27B(9); pp. 806-810. Kalra, et al; Synthesis of 2-hydroxyisoflavones; Indian J. Chem; Vol. 5(7); 1967; pp 287-290. Keister, D. B. Axenic culture of Giardia lamblia in TYI-S-33 medium supplemented with bile. TRANSACTIONS OF THE ROYAL SOCIETY OF TROPICAL MEDICINE AND HYGIENE 1983, 77, 487-488. Khan, et al.; Antigiardial Activity of Isoflavones from Dalbergia frutescens Bark. Journal of Natural Products 2000, 63, 1414-1416. Khan, et al.; Antigiardial Activity of Isoflavones from Dalbergia frutescens Bark. Journal of Natural Products (2000), 63(10), 1414-1416. Examiner: Date Considered									
Jain, et al.; Flavonoids from Eschscholzia californica; Phytochemistry; 1996; Vol 41(2); pp. 661-662. Joshi, et al.; Studies in the synthesis of furochromones. Part VIII Synthesis of furoisoflavones; IN J. Chem. Sec B: Org Chem Incl Med Chem.; 1988; Vol 27B(9); pp. 806-810. Kalra, et al; Synthesis of 2-hydroxyisoflavones; Indian J. Chem; Vol. 5(7); 1967; pp 287-290. Keister, D. B. Axenic culture of Giardia lamblia in TYI-S-33 medium supplemented with bile. TRANSACTIONS OF THE ROYAL SOCIETY OF TROPICAL MEDICINE AND HYGIENE 1983, 77, 487-488. Khan, et al.; Antigiardial Activity of Isoflavones from Dalbergia frutescens Bark. Journal of Natural Products 2000, 63, 1414-1416. Khan, et al.; Antigiardial Activity of Isoflavones from Dalbergia frutescens Bark. Journal of Natural Products (2000), 63(10), 1414-1416. Examiner: Date Considered						W-1 00	1062 00	1 002	
Joshi, et al.; Studies in the synthesis of furochromones. Part VIII Synthesis of furoisoflavones; IN J. Chem. Sec B: Org Chem Incl Med Chem.; 1988; Vol 27B(9); pp. 806-810. Kalra, et al; Synthesis of 2-hydroxyisoflavones; Indian J. Chem; Vol. 5(7); 1967; pp 287-290. Keister, D. B. Axenic culture of Giardia lamblia in TYI-S-33 medium supplemented with bile. TRANSACTIONS OF THE ROYAL SOCIETY OF TROPICAL MEDICINE AND HYGIENE 1983, 77, 487-488. Khan, et al.; Antigiardial Activity of Isoflavones from Dalbergia frutescens Bark. Journal of Natural Products 2000, 63, 1414-1416. Khan, et al.; Antigiardial Activity of Isoflavones from Dalbergia frutescens Bark. Journal of Natural Products (2000), 63(10), 1414-1416. Examiner: Date Considered									662
Sec B: Org Chem Incl Med Chem.; 1988; Vol 27B(9); pp. 806-810. Kalra, et al; Synthesis of 2-hydroxyisoflavones; Indian J. Chem; Vol. 5(7), 1967; pp 287-290. Keister, D. B. Axenic culture of Giardia lamblia in TYI-S-33 medium supplemented with bile. TRANSACTIONS OF THE ROYAL SOCIETY OF TROPICAL MEDICINE AND HYGIENE 1983, 77, 487-488. Khan, et al.; Antigiardial Activity of Isoflavones from Dalbergia frutescens Bark. Journal of Natural Products 2000, 63, 1414-1416. Khan, et al.; Antigiardial Activity of Isoflavones from Dalbergia frutescens Bark. Journal of Natural Products (2000), 63(10), 1414-1416. Examiner: Date Considered		Joshi, et al.; Stud	lies in the synthesis	of furochromone	s. Part VI	II Synthesis	of furoisofla	vones; I	N J. Chem.
Keister, D. B. Axenic culture of Giardia lamblia in TYI-S-33 medium supplemented with bile. TRANSACTIONS OF THE ROYAL SOCIETY OF TROPICAL MEDICINE AND HYGIENE 1983, 77, 487-488. Khan, et al.; Antigiardial Activity of Isoflavones from Dalbergia frutescens Bark. Journal of Natural Products 2000, 63, 1414-1416. Khan, et al.; Antigiardial Activity of Isoflavones from Dalbergia frutescens Bark. Journal of Natural Products (2000), 63(10), 1414-1416. Examiner: Date Considered		Sec B: Org Chen	Incl Med Chem.; 19	988; Vol 27B(9);	pp. 806-8	10.	****	******	
TRANSACTIONS OF THE ROYAL SOCIETY OF TROPICAL MEDICINE AND HYGIENE 1983, 77, 487-488. Khan, et al.; Antigiardial Activity of Isoflavones from Dalbergia frutescens Bark. Journal of Natural Products 2000, 63, 1414-1416. Khan, et al.; Antigiardial Activity of Isoflavones from Dalbergia frutescens Bark. Journal of Natural Products (2000), 63(10), 1414-1416. Examiner: Date Considered	<u> </u>	Kalra, et al; Synt	hesis of 2-hydroxyise	otiavones; Indian	J. Chem;	Vol. 5(7), 19	ium sunnle	290. mented	with hile
487-488. Khan, et al.; Antigiardial Activity of Isoflavones from Dalbergia frutescens Bark. Journal of Natural Products 2000, 63, 1414-1416. Khan, et al.; Antigiardial Activity of Isoflavones from Dalbergia frutescens Bark. Journal of Natural Products (2000), 63(10), 1414-1416. Examiner: Date Considered		TRANSACTION	IS OF THE ROYAL	SOCIETY OF	TROPICA	AL MEDICII	NE AND H	YGIENE	E 1983, 77,
Products 2000, 63, 1414-1416. Khan, et al.; Antigiardial Activity of Isoflavones from Dalbergia frutescens Bark. Journal of Natural Products (2000), 63(10), 1414-1416. Examiner: Date Considered		487-488.							
Products (2000), 63(10), 1414-1416. Examiner: Date Considered									
Examiner: Date Considered	Khan, et al.; Antigiardial Activity of Isoflavones from Dalbergia frutescens Bark. Journal of					of Natural			
	Examiner:	,			onsidered		·		
*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								n if not in)

Page 5 of 10

						age 3 of 10
Comparable to	U.S. Department		Atty. Do	ocket No.	Serial	No.
Form PTO-1449	Patent & Trac	lemark Office	11636	1/021304		
					10/53	23,964
			_			.0,907
11	NFORMATION DISCLOSURE CITATION		Custom	er No. 32885	'	
"	(Use several sheets if necessary)					
	(Ose several sheets if fiecessally)		A 11	- *	<u>i</u>	
			Applica	nt		
			AVERY,	et al.		
			Eiliaa D	240	Group	
			Filing Da			
			Au	gust 7, 2003	Not y	et assigned
Examiner	er l					Filing Date
Initial	Document No. Date	Nam	e	Class	Subclass	If Appropriate
	3000					
٠.		1				
				T		
 				 		
		<u> </u>		ļ		
 		+	****	 	•	
<u> </u>		1		 		
						
				-		
		<u> </u>				
	FOREIGN	PATENT DOCUMEN	NTS			
						Translation
	Document No. Date	Nam	е	Class	Subclass	Yes No
						TES NO
						<u> </u>
<u> </u>	MISCELLA	ANEOUS DOCUMEN	NTS			
	Khilya, et al.; Reaction of isofla			analogo mi	th hydroxy	lamino: Illeraineleii
					ы пушоху	iaiiiiie, Okiaiiiskii
	Khimicheskii Zhurnal (Russian Editi					
	Khilya, et al.; Synthetic analogs of r	natural isoflavone	s; Ukrains	skii Khimiche	skii Zhurna	I (Russian Edition);
	1984; Vol. 50(12); pp. 1301-1306.					
	Kiehlmann, E.; Lauener, R. W. Bron	nophloroglucinols	and their	methyl ether	s Can I Ch	nem 1989 67 335-
	344.	PinoroBiaomois	, and uivii	inouty i outlot	Can. J. Ci	1707, 01, 333
 		* 4 4* .* ***		<u> </u>	TT C 1	4 1 6274 477 7
	Kitagawa, et al., Aryloxyacetic ac					
	benzopyran-7-yl)oxy!acetic acids an	d the related com	ipounds; (Chem & Phar	m Bulletin;	1991; Vol. 39(10);
pp. 2681-2690.						
Lal, G. S.; Pez, G. P.; Syvret, R. G. Electrophilic NF Fluorinating Agents. Chemical Reviews (Washingt						iews (Washington
		Prooffobilite 141	. Iuviillau	ing rigoints. C		Tomo (wasimigion,
ļ	D. C.) 1996, 96, 1737-1755.		~	4.4	770 11 -	
Lehmann, et al; Studies on biological activity of isoflavones in cultivated V79 cells; Lebensmittelchem						ebensmittelchemie;
	1999; Vol. 53(5); p. 124.					
Examiner:		Date C	onsidered			
*Examiner: Initial	if citation considered, whether or not citation is	in conformance wi	th MPED S	09: draw line +	rough citatio	n if not in
	rmance and not considered. Include copy of the					1101 111
CONTO	mance and not considered. Include copy of th	S TOTAL WILLI HEXLEC		on to appricant	•	

Page 6 of 10

Comparable to	0		U.S. Department of		Atty. Do	ocket No.	Serial	No.	
Form PTO-14	49		Patent & Trade	mark Office	11636N	1/021304	40/50	0.004	
					Custom	er No. 32885		?3,964	
		RMATION DISCLO Ise several sheets			Custon	ei 140. 02000			
	,,,	se severar sinects	ii necessary;		Applicant				\neg
					AVERY	a. al			
					AVERY,	et ai.			
					Filing Date Group				
					Au	gust 7, 2003	Not y	et assigned	
Examiner		Desument No.	Data	Nam		Class	Subclass	Filing Date	
Initial	+	Document No.	Date	[Ndiii		Class		п Арргорив	
	+ 1								
					_				
		<u> </u>							
	-	· · · · · · · · · · · · · · · · · · ·							\dashv
	+				-	-			
	1 1								
			FOREIGN R	ATENT DOCUMEN	ITC			<u> </u>	
		T	FUREIGN PA	ATENT DOCUMEN	V13			Translation	$\overline{}$
	ļ	Document No.	Date	Nam	ne Class		Subclass	Yes No	
					·				
-									
				NEOUS DOCUMEN					
			esis and preliminary Zazhi; 2001; Vol. 11(ctivities o	f 7-hydroxy-4	4'-methyliso	flavone; Zhong	gguo
		Levy, et al.; Surv	eillance for waterbor EEKLY REPORT. O	ne-disease outb					AND
		Liao, et al.; The	coretical study of nu	clear magnetic	resonance	spectra of i	soflavone d	lerivatives with	ı m-
			ring; Sichuan Shifan						
			NMR studies on syn 2000; Vol. 21(1); pp.		ies with p	substituents	on B ring;	Gaodeng Xue	xiao
	-	Liu, et al.; Studie	es on synthesis and an	titumor activitie	s of soybe	ean isoflavone	es and their	derivatives; Yac	oxue
		Xuebao; 2000; V	ol. 35(8); pp. 583-586	6.					
Luk 'Yanchikov, et al.; Synthesis of analogs of natural isoflavones via 2, 4-dihydrox					oxydeoxybenzo	oıns;			
Khimiya Prirodnykh Soedinenii; 1985; Vol. 6; pp. 781-784. Marshall, et al.; Waterborne protozoan pathogens. Clinical Microbiology Reviews 1997, 10, 67-85.					10. 67-85.				
Meckes, M.; Calzada, F.; Tapia-Contreras, A.; Cedillo-Rivera, R. Antiprotozoal properties of Helian						mum			
	<u> </u>	glomeratum. Phytotherapy Research 1999, 13, 102-105.							
Examiner:				Date C	onsidered				
			ether or not citation is i					n if not in	

Page 7 of 10

Comparable to	<u>. </u>	U.S. Department of	Commerce	Attv. Do	ocket No.	Serial	No.	
Form PTO-144		Patent & Trade			1/021304			
						10/52	23,964	
		NUCE OF ATION		Custom	er No. 32885	I		
	(Use several sheets							
	(Ose several sheets	ii riecessary;		Applica				
				/ Друпоці				
				AVERY,	et al.			
				Filing Da		Group)	
				Au	gust 7, 2003	Not y	et assign	ed
Examiner								g Date
Initial	Document No.	Date	Nam	e	Class	Subclass	If App	oropriate
				40				
					 			
					-		·····	
					+			
					+		<u></u>	
					1			
		1 11 11 11 11 11 11 11 11 11 11 11 11 1						
	<u> </u>	FOREIGN P	ATENT DOCUMEN	ITS				
							Trar	slation
	Document No.	Date	Nam	ne Class		Subclass	Yes	No
	<u> </u>	MISCELLA	NEOUS DOCUMEN	ITS				
		Solution-phase para						
	antigiardial agent	s; Combinatorial Che	emistry and High	1 Through	put Screening	g; Vol. 5(6);	2002; pp.	481-487.
		yfoods and soybean				ssible altern	atives to	hormone
		npy (HRT). European				DAIAI OF	TITE A	ÆDICA!
		Giardia lamblia in OF THAILAND 199		with di	aitnea. JOU	MINAL OF	inc N	IEDICAL
	Polkowski K · N	fazurek, A. P. Biolog	zical properties of	of genistei	n a review of	in vitro and	d in vivo	data. Acta
		ceutica 2000, 57, 135		- 6-1110101				
		rugs for osteoporos		nechanism	s of bone m	aintenance.	Curr. Me	ed. Chem.
	1995, 2, 791-802		-					
	Sepulveda-Boza, 1940.	et al.; The preparation	on of new isoflar	vones; Sy	nthetic Comn	n; 2001; Vo	l. 32(12);	pp. 1933-
Shao, et al.; Studies on the synthesis and structure-antihypoxia activity relations of daidezein, an principle of Pueraria pseudohiruta, and its derivatives; Yaoxue Xuebao; 1989; Vol 15(9); pp. 538-547.								
Examiner:		iria pseudoilirida, alic	·	onsidered	Lucuau, 1707,	, 401 13(3),	pp. 556-5	77.
EAGITIFICE.			24.0 0					
*Examiner: Initi	ial if citation considered, wh	ether or not citation is i	n conformance wi	th MPEP 6	09; draw line tl	nrough citatio	n if not in	
con	formance and not considere	d. Include copy of this	form with next co	mmunicati	on to applicant			

Page 8 of 10

Comparable to		U.S. Department of		i '	ocket No.	Serial	No.	
Form PTO-1449)	Patent & Trade	mark Office	11636N	1/021304	10/5/	22.064	
		CHICA COMMITTEE		Custom	er No. 32885		23,964	ļ
'	INFORMATION DISCLOS (Use several sheets		!	0000	J1 7101 21. 2 2			
		,.	!	Applicar	nt			
			}	AVERY,	et al			
			1	,,,,,	Gt un			ļ
			١	Filing Da		Group		
		•	 	Aug	gust 7, 2003	Not y	et assign	
Examiner Initial	Document No.	Date	Nam	ie	Class	Subclass		ng Date propriate
	-							
							<u> </u>	
 					 		-	
 								
				.	ļ		ļ	
					 		 	
			 		.			
		FOREIGN P	ATENT DOCUMEN	NTS				
	Desument No.	Date	Name		Class	Subclass		nslation
	Document No.	Date	IVGITI	-	Ciass	Judiuss	Yes	No
							<u> </u>	
							 	
		MISCELLAI	L NEOUS DOCUMEN	UTS			<u>i</u>	
	Shirataki, et al.;	Relationship between	n cytotoxic acti	vity and r	adical intensi	ity of isofla	vones fro	om Sphora
	species; Anticano	cer Research; 2001; V	/ol. 21(4A), pp. ?	2643-2648	3.		•	<u> </u>
		, K. R.; Klaubert, D. ry 1997, 62, 6469-647		R. P. Syn	thesis of fluo	rinated fluo	resceins.	Journal of
 	Suthar, A. C.; Ba	navalikar, M. M.; Biy	yani, M. K. Phar	rmacologic	cal activities	of genistein,	an isofla	vone from
	soy (Glycine max	x): Part II-Anti-choles	sterol activity, ef	fects on o	steoporosis &	t menopausa	ıl sympto	ms. Indian
1		imental Biology 2001 Use of a Pharmacop		- the De	of FGF	Tyrosine	Vinase	Inhihitors
	Isoflavones and ?	Use of a Pharmacop 3-Phenyl-4(1H)-quino	olones: J. Medici	inal Chem	: 1999; Vol. 4	1 yrosino 12(6); pp. 10	18-1026.	Пипонога.
	Upcroft, P.; Upc	croft, J. A. Drug targe	ets and mechan	isms of re	sistance in the	ne anaerobio	protozo	a. Clinical
	Microbiology Re	views 2001, 14, 150-	·164.					
Varga, et al.; Stability and chemical reactivity of 7-isopropoxyisoflavone (ipriflavone); European J						pean J. oi		
Organic Chem; 2001; Vol. 20; pp. 3911-3920. Vasil'Ev, et al.; Synthesis and anabolic action of modified isoflavones; Khimiko-Farmatsevtic					evticheskii			
		ol. 24(9); pp. 38-41.						
Examiner:			Date C	Considered				
	al if citation considered, who						n if not in	

Page 9 of 10

Comparable to			U.S. Department of		Atty. Do	ocket No.	Serial	No.	
Form PTO-144	19		Patent & Trade	mark Office	11636N	1/021304	İ		
								3,964	
	-	MATION DISCLO			Custom	er No. 32885	'		
	(U	lse several sheets	if necessary)		Applicar				
					Applical				
					AVERY,	et al.			
	•				Г::: D:		l Canada		
					Filing Da	gust 7, 2003	Group Not v	, et assigr	ied
Examiner	T			<u> </u>	<u> </u>	<u>-</u>	1.101,		ng Date
Initial		Document No.	Date	Nam	e	Class	Subclass	If Appropriate	
					 *				
									
	 								
								× -n/-	
							_		

			FOREIGN P	ATENT DOCUMEN	NTS				
		Document No.	Date	Nam	e	Class	Subclass	Yes	nslation No
		Boddinent 140.	-					res	I NO
	-								
				·					
			MISCELLAI	NEOUS DOCUMEN	NTS	<u> </u>	l		
		Vesy, C. J.; I	Peterson, W. L. F	Review article:	the ma	nagement of	f Giardiasis	s. ALIN	MENTARY
		PHARMACOLO	GY AND THERAPE	EUTICS 1999, 1	3, 843-85	0.			
		Waehaelae, et al	; Synthesis and labe te Society for Experi	eling of isoflavo	ne phyto Med: 1995	estrogens, inc · Vol. 208(1)	cluding daid	zein and	i genistein;
			e, T. A. Expedient					c., Perk	in Trans. 1
		1991, 3005-3008	•						
		1	ıblic Health & Preve	ntive Medicine;	14th ed.;	Appleton &	Lange: Stan	nford, C	Г, 1998; рр
		pp. 252-254.	Melwani, S. I.; Philli	pson J D · War	rhurst D	C. Determina	ation of anti	-giardial	activity in
		vitro by means of	soluble formazan pr	oduction. Trans.	R. Soc. T	rop. Med. Hy	g. 1992, 86,	517-519	₽.
		Yamaguchi, M.	soflavone and bone	metabolism: its					
Journal of Health Science 2002, 48, 209-222.					1 Synth	esis of A-			
Yang, JJ.; Su, D.; Vij, A.; Hubler, T. L.; Kirchmeier, R. L.; Shreeve fluororesorcinol and 4-trifluoromethylresorcinol. Heteroatom Chemistry 1998,					3, 9, 229-239	ı. Synu.)	10313 01 4-		
Examiner:	1	1			onsidered		· · · · · · · · · · · · · · · · · · ·		
*Examiner: Init	tial if cita	ation considered, wh	ether or not citation is i	in conformance wi	th MPEP 6	09; draw line t	hrough citatio	n if not ir	1
cor	nforman	ce and not considere	d. Include copy of this	form with next co	ommunicati	on to applicant	t. 		

Page 10 of 10

							ge 10 01 10
Comparable to		U.S. Department of	f Commerce	Atty. Do	ocket No.	Serial	No.
Form PTO-1449		Patent & Trade	emark Office	11636N	1/021304		
					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	10/51	22.064
				Ì			23,964
١ .	INICODA A TIONI DICCI	SCURE CITATION		Custome	er No. 32885		
	INFORMATION DISCLO						
	(Use several sheet	s if necessary)					
				Applicant			
				AVERY,	ot al		
				AVENT,	et ai.		,
				Filing Da	ate	Group)
					gust 7, 2003	, ,	
				70,	gust 7, 2000	Not y	et assigned
Examiner			1				Filing Date
Initial	Document No.	Date	Nam	e	Class	Subclass	If Appropriate
	Boodinion No.		1				1,1,1,1
					ļ . İ		
		<u> </u>	· ·				
			 	-	 		
		<u></u>			<u> </u>		
					1 7		
		-					
		-			 		
					1		
					ļļ		
		1					1
	100,000						
	· · · · · · · · · · · · · · · · · · ·						
		FOREIGN F	ATENT DOCUME	NTS			
		1					Translation
	Document No.	Date	Nam	e l	Class	Subclass	
	Becament ivo.	Date	· · · · ·				Yes No
,		ł					
		****				J.,	
1		MISCELLA	NEOUS DOCUMEN	UTC			
	Yi, et al.; Studie	es on chemical constit	uents of Smilax	glabra Rot	ox. (IV); Yaox	kue Xuebao	; 1998; Vol. 33(11);
	pp. 873-875.			_			
+		lies on flavonoids; VI.	Synthesis of the	8-bromo	4' 7-dibydro	vvisoflavone	Gaodena Xueviao
				8-0101110-	4, /-uniyuroz	Ay 13011a von	o, Gaodelig Machiao
		; 1988; Vol. 9(3); pp. 2					
	Yue, et al.; Stud	ies on flavonoids; XIV	 Debromination 	reaction is	n the synthesis	s of bromois	soflavones; Gaodeng
	Xuexiao Huaxu	xuebao; 1990; Vol. 1	1(1): pp. 99-101	_			
	11201200 110011		-(-/, FF				
		*					
	'						
							
 							
<u> </u>				onoid			
Examiner:			Date C	onsidered			
*Examiner: Initia	I if citation considered, w	hether or not citation is	in conformance wi	ith MPEP 60	09; draw line th	nrough citatio	on if not in
conf	Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.						